

TABLE 9.2.RME
SUMMARY OF RECEPTOR RISKS AND HAZARDS FOR COPCs
REASONABLE MAXIMUM EXPOSURE
The Dean Company

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient						
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total		
Groundwater	Groundwater	Aquifer 1 - Tap Water	Bis(2-ethylhexyl)phthalate	4E-07	--	4E-07	--	8E-07	Liver	0.02	--	0.02	0.04		
			Chloroform	3E-07	--	4E-07	--	7E-07	Liver	0.06	--	0.08	0.1		
			Heptachlor	7E-04	--	3E-04	--	1E-03	Liver	4	--	1	5		
			Barium	--	--	--	--	--	Heart	0.4	--	--	0.4		
			Lead (1)	--	--	--	--	--	--	--	--	--	--		
			Manganese	--	--	--	--	--	Central Nervous System	40	--	--	40		
			Chemical Total	7E-04	--	3E-04	--	1E-03		44	--	1	45		
			Radionuclide Total												
			Exposure Point Total					1E-03					45		
Exposure Medium Total								1E-03					45		
Groundwater Total								1E-03					45		
Soil	Soil	Soil at Site 1	4,4'-DDD	1E-07	--	--	--	1E-07	--	--	--	--	--		
			4,4'-DDE	3E-06	--	--	--	3E-06	--	--	--	--	--		
			4,4'-DDT	1E-05	--	9E-07	--	1E-05	Liver	0.7	--	0.06	0.8		
			Aluminum	--	--	--	--	--	Central Nervous System	0.1	--	--	0.1		
			Lead (1)	--	--	--	--	--	--	--	--	--	--		
			Manganese	--	--	--	--	--	Central Nervous System	0.02	--	--	0.02		
			Chemical Total	1E-05	--	9E-07	--	1E-05		0.8	--	0.06	0.9		
			Radionuclide Total												
			Exposure Point Total					1E-05					0.9		

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				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Soil (continued)	Soil (continued)	Soil at Site 2	4,4'-DDE	2E-07	--	--	--	2E-07	--	--	--	--	--
			4,4'-DDT	1E-07	--	1E-08	--	1E-07	Liver	0.008	--	0.0007	0.008
			Copper	--	--	--	--	--	Gastrointestinal	0.08	--	--	0.08
			Iron	--	--	--	--	--	Gastrointestinal	1	--	--	1
			Chemical Total	3E-07	--	1E-08	--	3E-07		1	--	0.0007	1
			Radionuclide Total										
			Exposure Point Total					3E-07					1
			Exposure Medium Total					1E-05					2
Soil Total								1E-05					2
Receptor Total								1E-03					47

Total Risk Across All Media = 1E-03

Total Hazard Across All Media 47

Total Liver HI Across All Media = 6

Total Central Nervous System HI Across All Media = 40

Total Gastrointestinal HI Across All Media = 1